

ABSTRACT

[0036] A brush seal with: a back plate; a side plate; a first set of bristles; and a second set of bristles between the first set of bristles and the side plate, The second set of bristles have a characteristic, different than the first set of bristles, that reduces windage effects on the first set of bristles. A brush seal for sealing a gap between first and second components, having: a back plate; a side plate; a set of contacting bristles that engages the second component; and a set of non-contacting bristles that extends towards, but does not engage, the second component. The non-contacting bristles reside between the contacting bristles and the side plate. In a brush seal having a set of longer bristles adjacent a set of shorter bristles, wherein the improvement comprises the shorter bristles located on a high pressure side of the longer bristles.